Installation Enterprise Resource Planning
Discussion with MG Lust
5 Feb 04

Ms. Baker

Integrated Logistics Enterprise = Common Operating Picture

Introduction

Purpose: **Discuss the logistics enterprise concept for the Installation fixed-base Enterprise Resource Planning (ERP) maintenance and supply efforts**

Agenda:

- **Background**
- **Logistics enterprise approach**
- **Scope**
- **Execution strategy**
- **Summary**

Army Logistics Enterprise Strategic Vision:

"A fully integrated knowledge environment that builds, sustains, and generates Warfighting capability through a fully integrated logistics enterprise based upon collaborative planning, knowledge management, and best business practices."

We relate 5 key objectives to achieving this vision to the Army's Logistics Architecture …

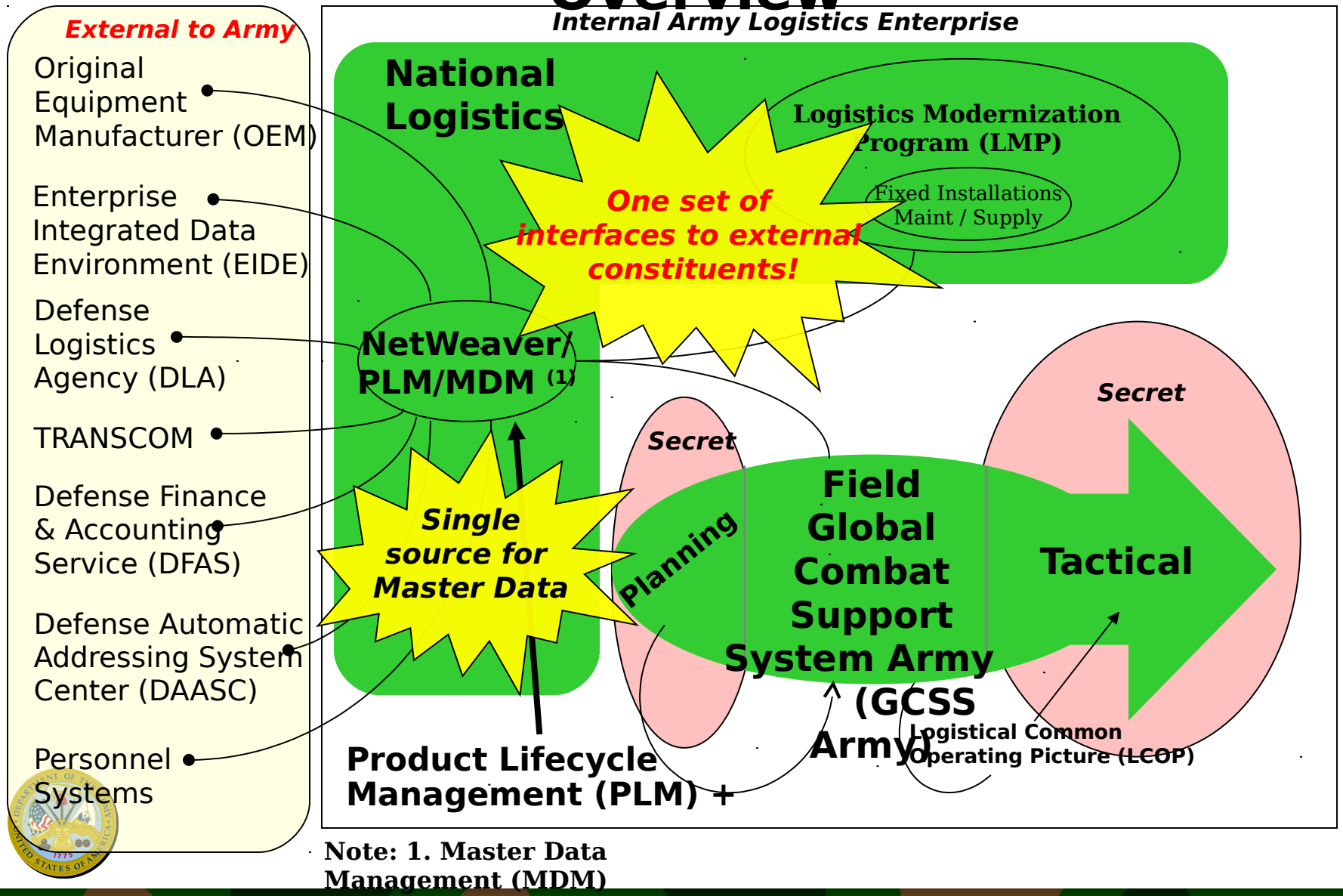
Achieving the Logistics Vision: 5 Key Objectives

- An Integrated Logistics Solution.
- A solution that aligns with the Financial Management Enterprise/Future Logistics Enterprise Architecture.
- A solution that supports critical decision making (i.e. strategic issues, prioritization, risk mitigation, etc.).
- A solution that addresses technical data integration.
- A lean architecture that enables a common operating picture.
  - Minimizes interfaces
  - Provides for single set of supporting master data
  - Integrates existing solutions

…to support warfigher Needs!

Key strategies like SSF & NMM are critical enablers!

High Level Logistics System Architecture Overview



Note: 1. Master Data Management (MDM)

Integrating Army Logistics Automation

LMP ✓
Logistics Modernization Program

2003 - 2004
- Modernize National Level Logistics Processes:
  - Forecasting
  - Demand Planning
  - Supply Planning
  - Commodity Management
  - Order Fulfillment
  - Provisioning & Cataloguing

PLM+
Product Lifecycle Management

2004 - 2007
- Business Intelligence
- Master Data Control
- Weapon System Tech Data Management
- Single Point of Interface

Installation ERP
Enterprise Resource Planning

2006 - 2008
- Modernize Installation Processes
  - Supply
  - Maintenance

GCSS Army ✓
Global Combat Support System Army

2006 - 2008
- Modernize Combat Service Support Processes:
  - Integrated Materiel Management
  - Supply Support Activity Management
  - Maintenance Management (Ground & Air)
  - Property Book
  - Ammo Management
  - Data Analysis

Continuous Upgrades

- Identify "Legacy Capabilities" & Develop Migration Strategies
  - Resource the Efforts
  - Synchronize Program Schedules
- Eliminate "Stovepipes"
- Legacy Retirement

End-to-End Integration

Ensure Joint Interoperability

Supply Chain Optimization

Tech & Quality | Demand Planning | Supply Planning | Financial | Procurement | Order Fulfillment

BEA – BEA-LOG – Army Logistics Enterprise Architecture

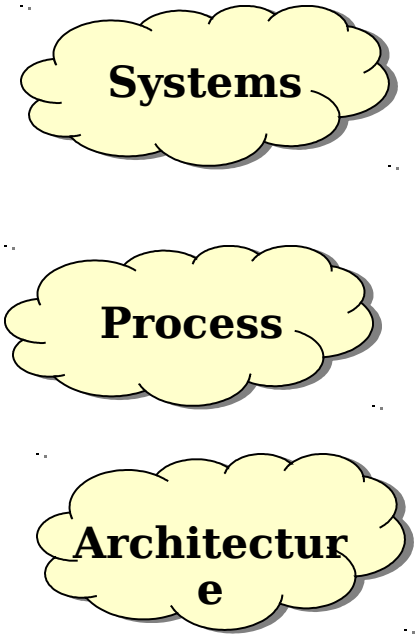
Business Enterprise Architecture

Force - Centric Logistics Enterprise

Integrated Logistics Enterprise = Common Operating Picture

Background

Installation Management & Logistics Domains Are "Tied"



- **DOL CL IX logistics functions (SARSS & SAMS) covered under the GCSS Army Operational Requirements Document (ORD)**
- **Single Stock Fund and National Maintenance Management ties these logistics functions into an integrated process**
- **Aligned corresponding logistics processes inside the "Installations Domain" with the Single Army Logistics Enterprise (SALE) architecture**
  - **The benefit for the Army is that these processes will support an integrated logistics solution**

Scope

Supporting Guidance

GCSS Army ORD

- Integrate supply, property book and ammunition in all TOE and Installation materiel management organizations
- Operate at all support levels horizontally, vertically, between tactical in the field & Installations
- Employed in Garrison environment at Installation sustaining base organization
- Support rapid strategic deployment at CONUS Installations & OCONUS
- Enable direct support unit & Installation materiel maintenance

Systems to be Replaced

- ULLS-A
- ULLS-G
- SAMS-1
- SAMS-I/TDA
- SPBS-R
- ULLS-S4
- SAAS-MOD
- SAAS-MMC
- SARSS-1
- SARSS-2AD
- SAMS-2
- SARSS-2AC
- SARSS-GW
- ILAP

DALEI White Paper

- Functional:
  - Materiel Management – requirements determination through disposal
  - Maintenance – induction through return to stock or customer
  - Packaging, Crating & Handling
  - Distribution
  - Warehouse Functions
  - Associated Financial Transactions
  - Provide needed Product Data
  - Connectivity to AIT and RFID
  - Joint Combat Service Support
- Vertical & Horizontal
  - Standardized across all MACOMS
  - Used at all echelons (National through Tactical)
  - Key component to FLE
  - GCSS Army – Army's link to GCSS Family of Systems
- Current to Future
  - Operate to support current & future force
  - Capable of working concurrently in all environments

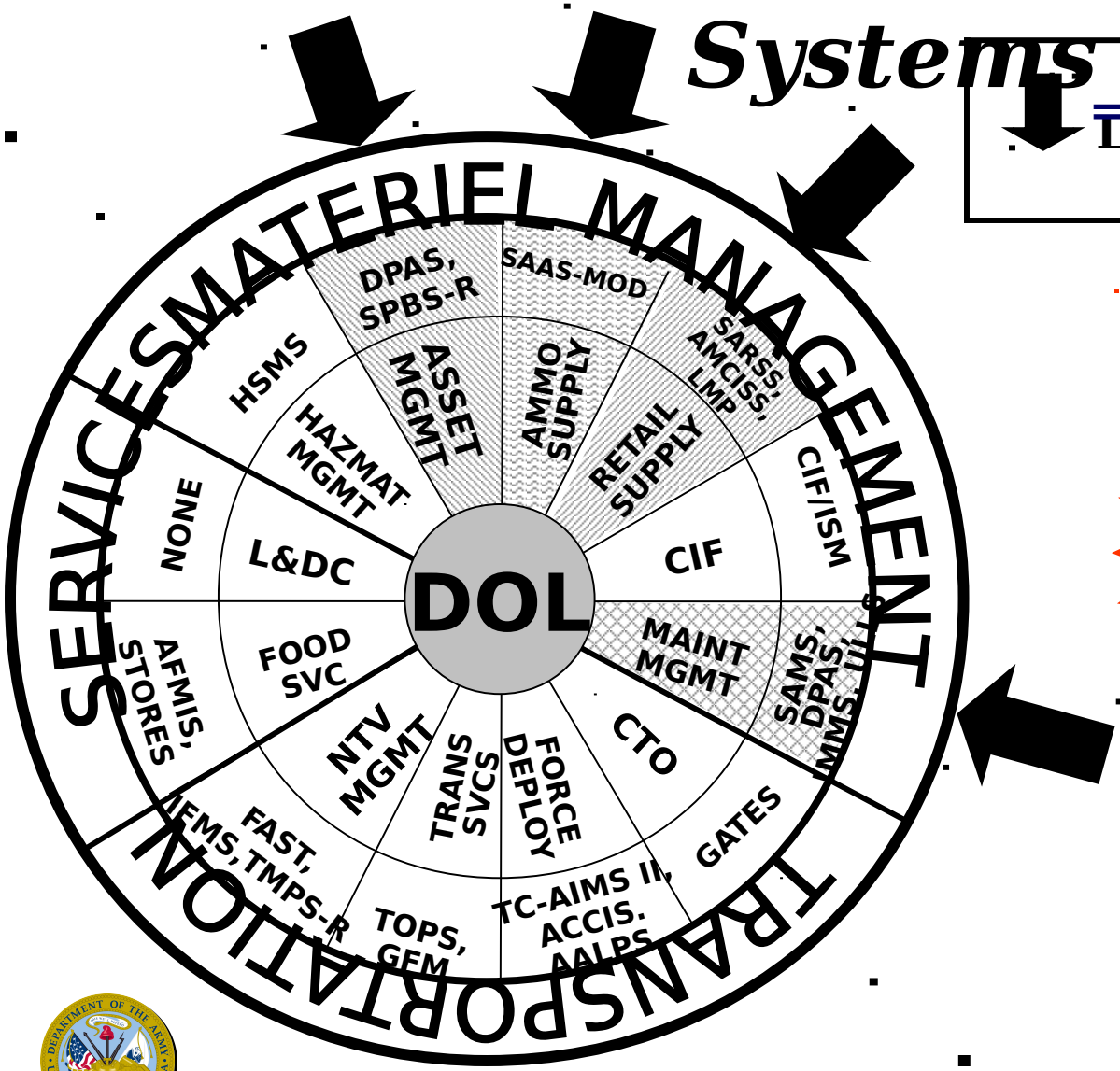
Scope

Supported by GCSS Army Operational Requirements Document

- **Replace & modernize functionality within SARSS & SAMS/I-TDA Processes**
  - **<u>Classes of supply – II</u> (Less clothing and organizational clothing & individual equipment (OCIE); III (Less bulk fuel); IV; V; VII; IX**
  - **<u>Materiel Management Functions</u>: requisitioning, issuing, shipping, receiving, redistribution, warehousing, inventory control and item accountability**
  - **<u>Maintenance Functions</u>: All echelons**
    - **Operator**
    - **Organizational**
    - **DS/GS**
    - **Aviation (Unit and Intermediate)**
    - **Depot Level**
    - **Specialized Repair Activities**

Director of Logistics Functions & Systems

What's Covered by LMP or the GCSS Army ORD



Must work to integrate DOL functionality for ease of use by Installation Domain Users and to ensure seamless support

What is Not Covered

- HAZMAT
- Food Service
- Household Goods
- Commercial Travel
- CDE/IPE
- Laundry & Dry Cleaning
- Non-Tactical Vehicle Flee
- Deployment
- OCIE/CIF
- Personal Clothing

Need to work with you to ensure understanding of IMA strategy to modernize and sustain these processes

Execution Strategy
For SARSS, & SAMS-I/TDA Modernization

- **LMP serves as the baseline**
  - **Reuse of functionality where appropriate**
  - **Leverages work already done**
  - **Potential for schedule acceleration**
- **PD LMP will execute Task Order against LMP contract for fixed-base**
- **End-to-end blueprinting will include Installation requirements**

Common process utilized by both peacetime and deployed forces

Working Together …

Next Steps

- **Award Task Order**
- **Blueprinting support starting in Jun 04**

What We Need from You

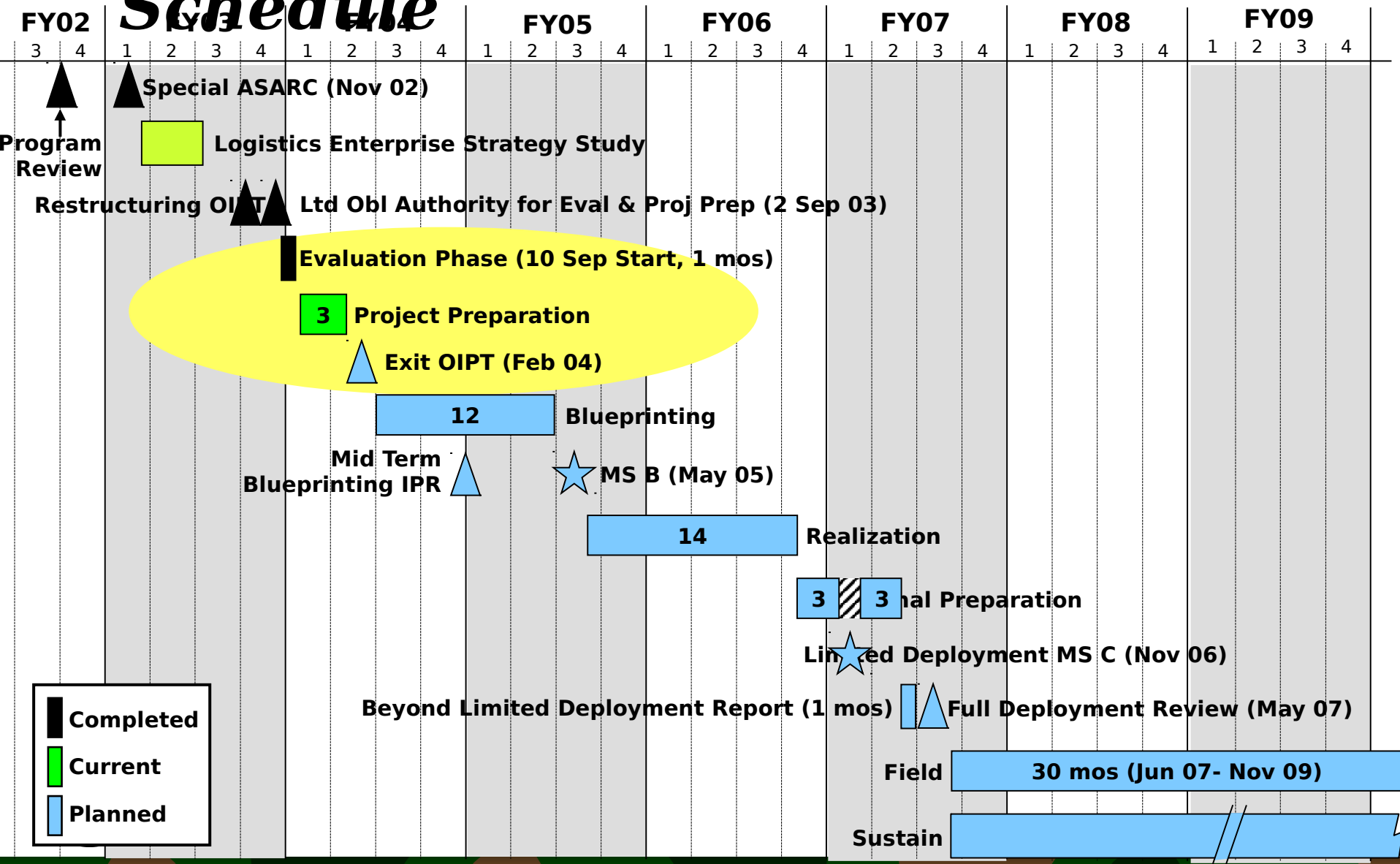
- **Concurrence on Scope** ✓
- **IMA SMEs to support**

Summary

- **IMA-Logistics Domain must work together closely, GCSS Army schedule is the driver behind key events**
- **We want to do this right the first time for the users**

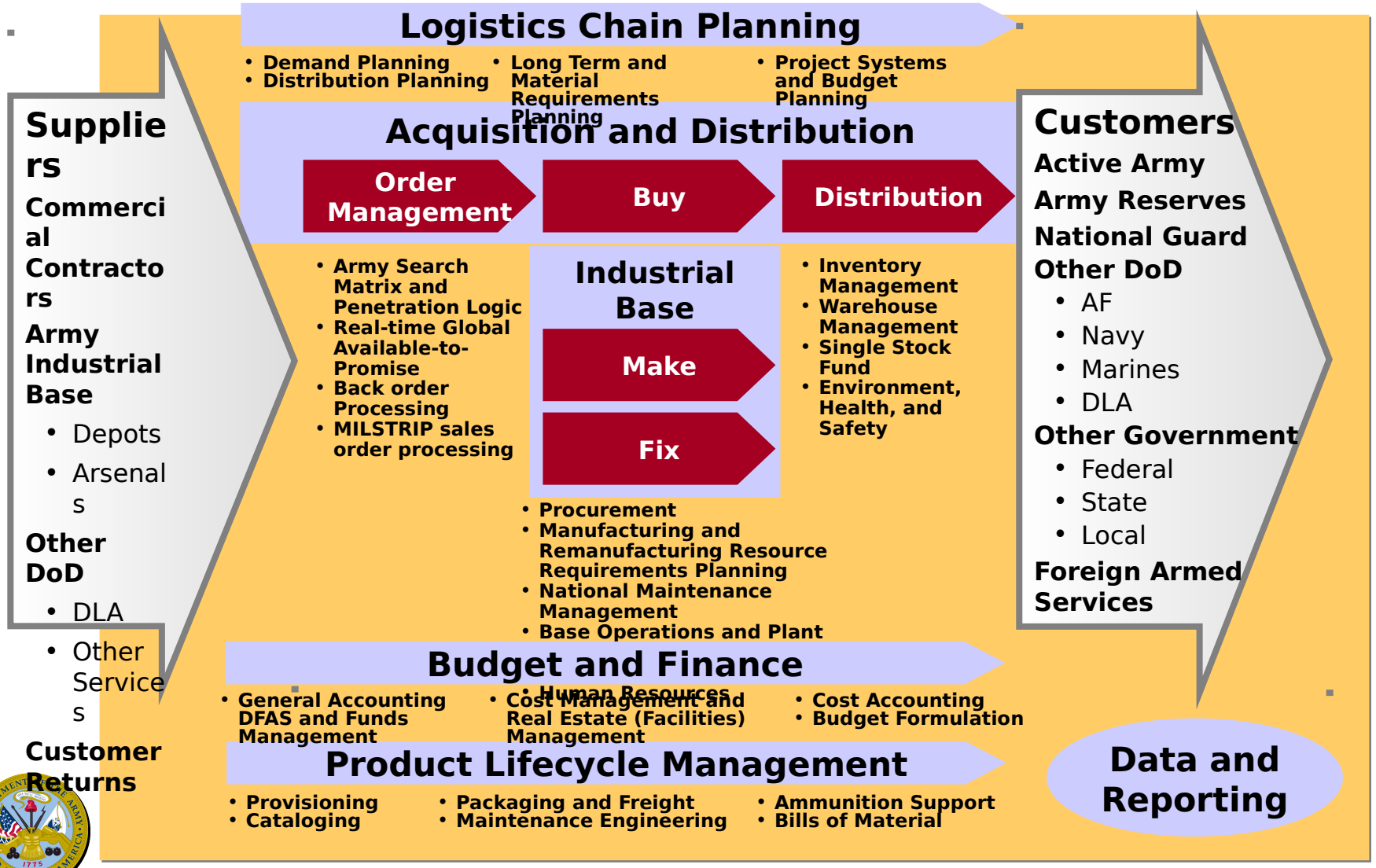
Back ups

GCSS-Army ERP Implementation Schedule



Integrated Logistics Enterprise = Common Operating Picture

LMP Business Functionality



LMP Status

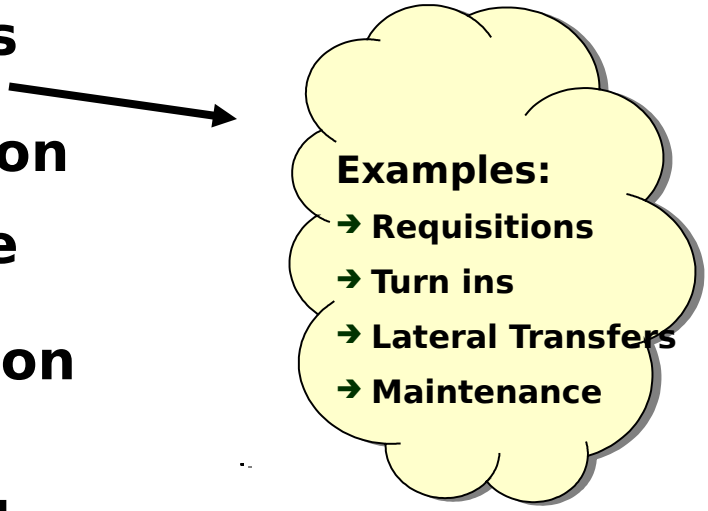
Went Live 7 Jul 03
- CECOM
- Tobyhanna
- DFAS
- HQAMC
- 9500 users

- Stabilizing the system now at 1st deployment sites
  - Tiger Teams addressing areas that are challenges
  - Acquisition interfaces- financial data & data cleansing/migration
- Critical problems will be corrected prior to further deployments

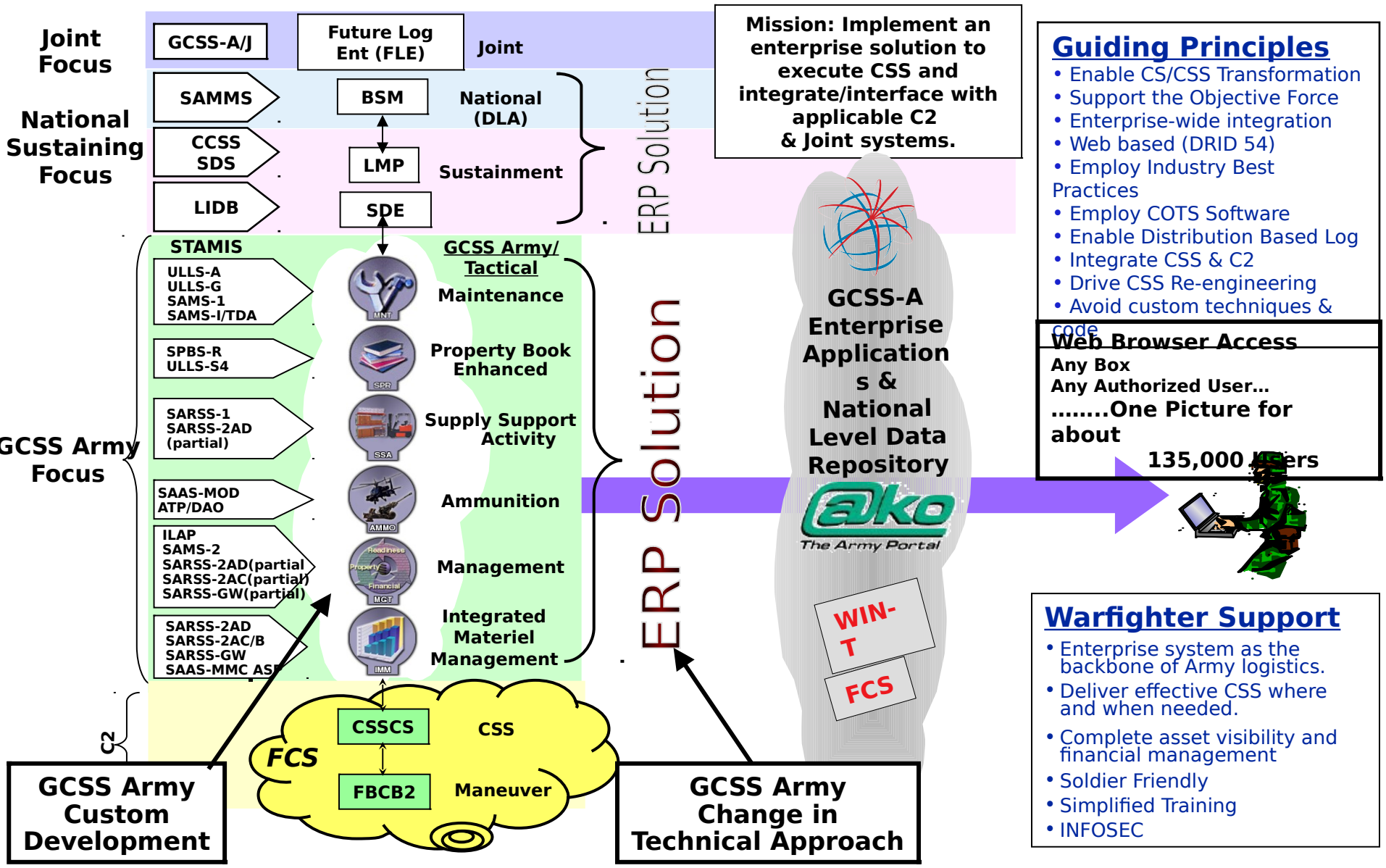
GEN Kern Monitoring on weekly basis

Critical Factors

- **Logistics support at Installations requires same technical data resident in the integrated solution**
- **The logistics activities inside the IMA should not use different systems to access this information**
- **A different approach would split the integration domain, creating complex Army-to-Army interfacing, which drives up the total ownership cost**



GCSS Army Overview



Integrated Logistics Enterprise = Common Operating Picture

GCSS Army Operational Requirements Document

- **Essential operational capabilities of GCSS Army will include:**
  - **A modernized integrated materiel management capability that integrates supply, property, and ammunition management in all tables of organization and equipment and installation materiel management organizations**
  - **A modernized maintenance capability that integrates maintenance operations at all levels of maintenance excluding depot**

GCSS Army will Replace 13 Software Baselines

SPBS-R
Property Accountability, Hand Receipting & Reporting
Last SPBS Fielding - 1992
1,581 SPBS-R Sys
394 PBUSE Sys

SARSS-1, -2AD, -2AC/B, & -GW
Stock Record Accounting & Supply Management for Classes II, III (Package), IV, VII, & IX (Less COMSEC). Asset Visibility & Cross Leveling Referrals
Last Fielding - 1998
650 SARSS Sys

SAMS-1, -2, -I/TDA
Maintenance Shop Operations, Program Management & Supply Operations At All Intermediate Maintenance Levels
Last Fielding – 1998/1999
1,658 Rehost Sys
183 I/TDA Sys

SAAS
Class V Management, Total Asset Visibility, Inventory Accountability, Materiel Management Activities
Last Fielding – 2000
521 SAAS Sys

ILAP
Produce Information Management Reports Combining Data from Several Standard Systems
PMO Mgt: Mar 1997
Last Fielding - 2002
90 ILAP Sys (Servers)

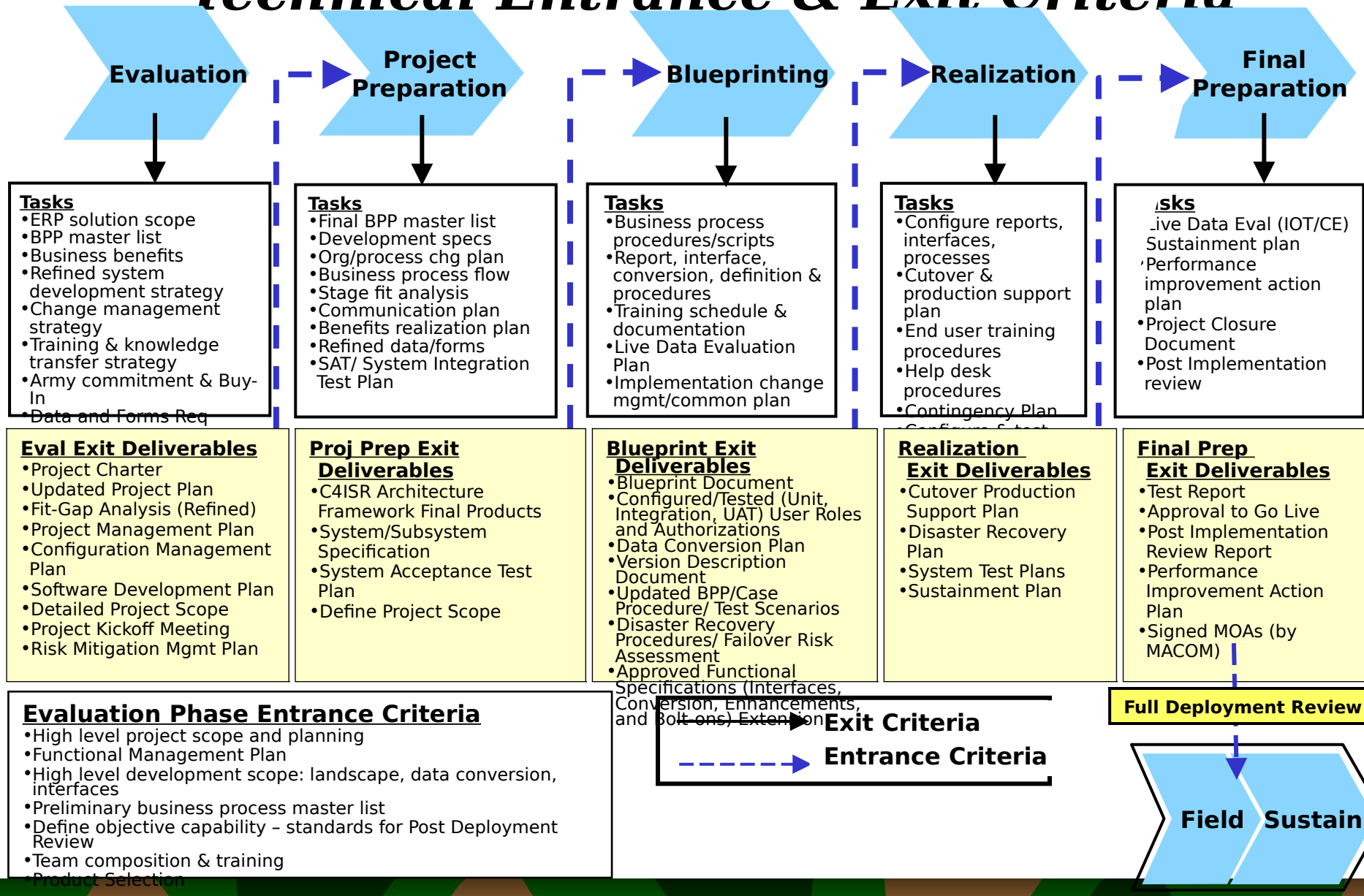
ULLS-S4
Bde/Bn S4, Company Supply Room, Property (Track, Report); Readiness (Summarize, Report); Expenditure (Record, Report); Planning (Estimate)
Last ULLS Fielding - 1999
10,220 ULLS-S4 Sys
24 PBUSE Sys

ULLS-A
Aviation Supply, (Order, Receive, Issue), Maintenance (Schedule, Monitor), Readiness (Record, Report)
Last Fielding - 2000
5,869 ULLS-A Systems

ULLS-G
Motor Pool, Supply (Order, Receive, Issue), Maintenance (Schedule, Monitor), Readiness (Record, Report)
Last Fielding - 1995
7,200 ULLS-G Systems

Quantities as of 17 Mar 03

GCSS Army Phases
Technical Entrance & Exit Criteria



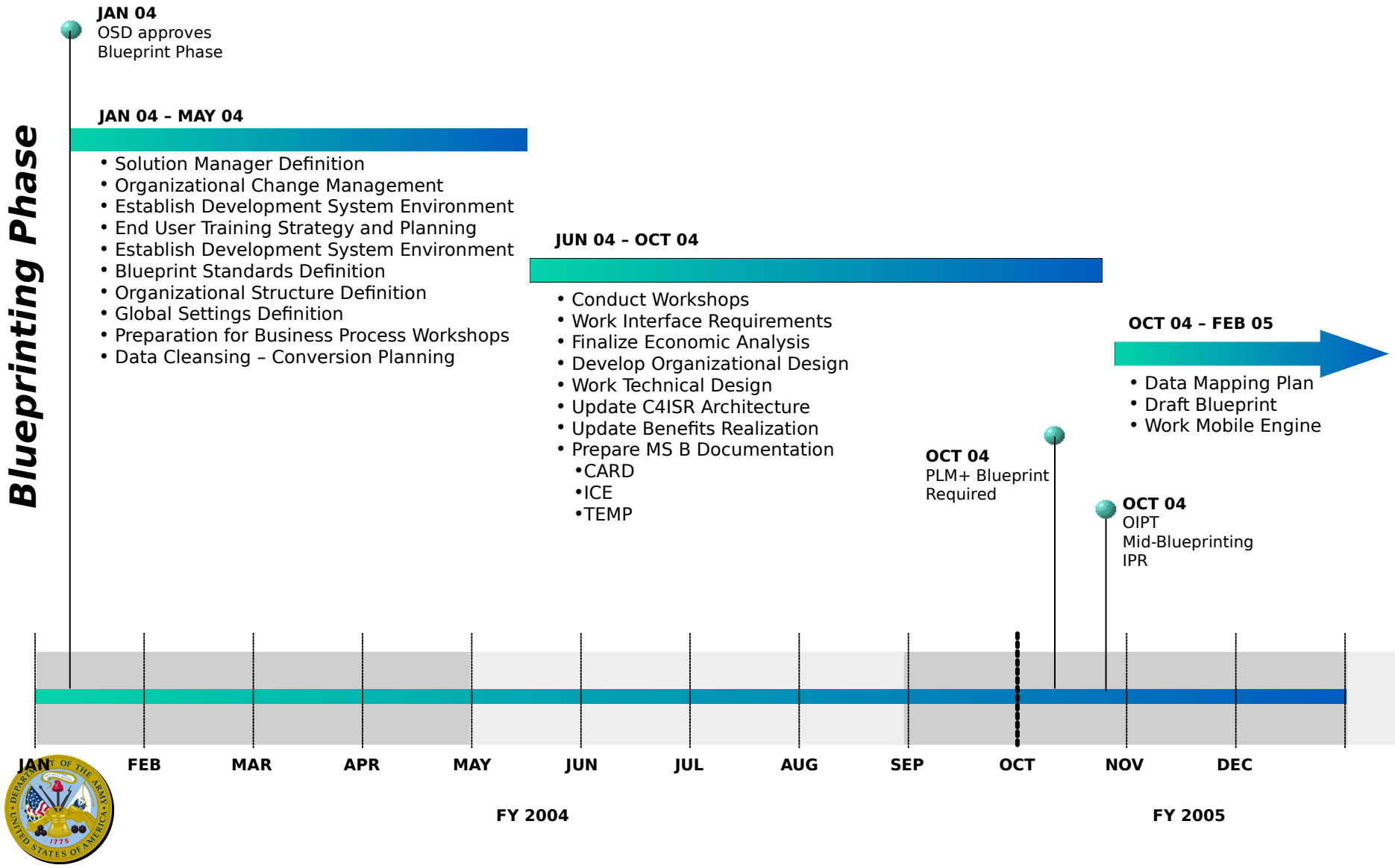
Key to the Approach – Deliverables that will Yield Integrated Products

- **One End to End Blueprint for the Army Logistics Enterprise …LMP serves as the baseline**
  - **Joint Blueprint Deliverable with Global components for:**
    - **Installation (Nation)**
    - **Tactical (Field)**
    - **PLM+ (stakeholders & Integrators actively involved in solution)**
    - **Additional tasks**
    - **Augment the LMP Blueprint as necessary**
    - **Any LMP modifications be documented with rationale and business case**

SMEs supporting IMA functionality is critical

- **Army –wide Blueprint available to stakeholders throughout the process**
- **One Solution Manager for Master Project Planning for all Components of the Enterprise**
  - **DALEI is the sponsor**

GCSS Army Blueprinting Activities



Bottom Line SALE Recommendation

- **Align with DoD Policy (the Force-centric Logistics Enterprise)**
- **Is implemented in the SAP standard software solution.**

Schedule Synchronization

Issue: **Bringing the Critical Program Components together into an Integrated Schedule**

DEC FY04 | JAN FY04 | FEB FY04 | MAR FY04 | APR FY04 | MAY FY04 | JUN FY04

Installation Logistics *(function covered by GCSS Army ORD, SSF, NMM Business Rules)*

- Draft SOW completed — Jan 22
- Conduct Alpha contract session — Jan 28
- Receive Proposal — Feb 16
- Propose Evaluation/Negotiation — Feb 23
- Fund SOW — Feb 25
- Award Task Order — Feb 27

SOW Negotiated, Funded , & Awarded
1 March 04

Solution Manager:

- Initiation — Jan 1
- SOW Developed — Jan 12
- Funded — Jan 20
- Package to Acquisition Center — Jan 15
- Award — Feb 5
- LMP Contract modification — Feb 27
- Environment Ready — Mar 15
- Solution Manager schedule data loaded for (GCSS Army, PLM+, & LMP Installation) — Apr 20
- LMP and GCSS Army artifacts loaded

Solution Manager Environment Operational - LMP & GCSS Army Data Transport
20 April 04

PLM+

- Acting PM appointed — Dec 5
- Establish Product Office — Jan 5
- Prepare MS A Acq Documentation — Jan 5 *(Acq Strat, Cost Est, BEA and Clinger Cohen Act Compl)* — Apr 1
- Draft SOW completed — Jan 19
- MOA completed between PEO EIS and AMC G-3 — Feb 6
- Alpha contracting session conducted — Feb 13
- Pre-MS A funding Release — Feb 15
- Receive Contract Proposal — Mar 19
- MS A Decision — Apr 15
- Task order to Lead Systems Integrator — Apr 30
- Begin Project Prep — Apr 30
- Blueprinting commences — Jun 30

Acquisition Documentation In Place & Decision to Proceed to MSA
15 April 04

Integrated Logistics Enterprise = Common Operating Picture

Challenges

Project	Time	Approvals	Money
Installation	• Manageable	• Clarity on scope • Coordination with IMA	• Potential UFR
Solution Manager	• Development of Business Rules for multiple project interaction	• Manageable (in house)	• Funding source being worked
PLM+	• MAIS designation involves additional oversight	• Cross-program – Cross-domain coordination • Prepare and submit acquisition documentation	• Funding stream may not align with implementation milestone • OSD release of funds • Funding stream alignment with requirements